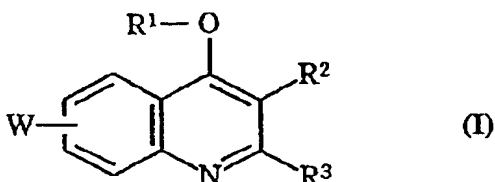


IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Cancelled).

Claim 3 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein

R¹ represents

an alkali metal,

an alkaline earth metal, or

COR⁴ in which R⁴ is

a hydrogen atom,

an optionally substituted C1-C18 alkyl group,

an optionally substituted C2-C18 alkenyl group,

an optionally substituted C3-C10 cycloalkyl group.

an optionally substituted phenyl C1-C4 alkyl group,

an optionally substituted phenoxy C1-C4 alkyl group,

an optionally substituted aryl group,

OR⁵ in which R⁵ is an optionally substituted C1-C4 alkyl group, an optionally substituted aryl group, an optionally substituted heterocycle, an optionally substituted phenyl C1-C4 alkyl group or an optionally substituted phenoxy C1-C4 alkyl group, or

NR^6R^7 in which R^6 and R^7 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^6 and R^7 together with N may form a four- to six- membered ring containing one or two heteroatoms;

R^2 represents an optionally substituted C1-C4 alkyl group;

R^3 represents an optionally substituted C1-C18 alkyl group; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR^8R^9 in which R^8 and R^9 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^8 and R^9 together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR^{10} in which R^{10} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

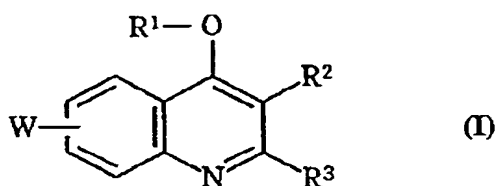
COOR^{11} in which R^{11} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 4 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 represents

an alkali metal,

an alkaline earth metal, or

COR^4 in which R^4 is

a hydrogen atom,

an optionally substituted C1-C18 alkyl group,

an optionally substituted C2-C18 alkenyl group,

an optionally substituted C3-C10 cycloalkyl group.

an optionally substituted phenyl C1-C4 alkyl group,

an optionally substituted phenoxy C1-C4 alkyl group,

an optionally substituted aryl group,

OR^5 in which R^5 is an optionally substituted C1-C4 alkyl group, an optionally substituted aryl group, an optionally substituted heterocycle, an optionally substituted phenyl C1-C4 alkyl group or an optionally substituted phenoxy C1-C4 alkyl group, or

NR^6R^7 in which R^6 and R^7 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^6 and R^7 together with N may form a four- to six- membered ring containing one or two heteroatoms;

R^2 represents an optionally substituted C1-C4 alkyl group;

R^3 represents an optionally substituted C2-C4 alkenyl group; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

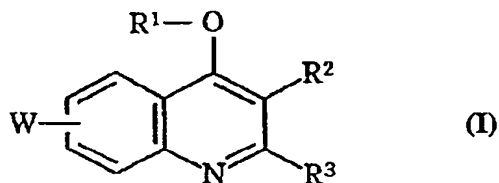
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 5 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents

an alkali metal,

an alkaline earth metal, or

COR⁴ in which R⁴ is

a hydrogen atom,

an optionally substituted C1-C18 alkyl group,

an optionally substituted C2-C18 alkenyl group,

an optionally substituted C3-C10 cycloalkyl group.

an optionally substituted phenyl C1-C4 alkyl group,

an optionally substituted phenoxy C1-C4 alkyl group,

an optionally substituted aryl group,

OR⁵ in which R⁵ is an optionally substituted C1-C4 alkyl group, an optionally substituted aryl group, an optionally substituted heterocycle, an optionally substituted phenyl C1-C4 alkyl group or an optionally substituted phenoxy C1-C4 alkyl group, or

NR⁶R⁷ in which R⁶ and R⁷ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁶ and R⁷ together with N may form a four- to six- membered ring containing one or two heteroatoms;

R² represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C1-C4 alkoxy group; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

a halogen atom,

an optionally substituted C1-C10 alkyl group,

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C1-C10 alkoxy group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR^8R^9 in which R^8 and R^9 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^8 and R^9 together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR^{10} in which R^{10} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

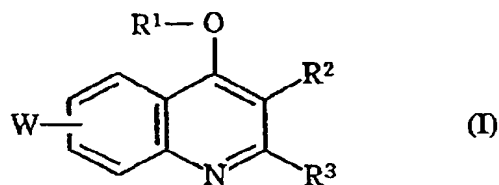
COOR^{11} in which R^{11} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl, C1-C4 alkoxy group and hydroxyl.

Claim 6 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 represents

an alkali metal,

an alkaline earth metal, or

COR⁴ in which R⁴ is

a hydrogen atom ,

an optionally substituted C1-C18 alkyl group,

an optionally substituted C2-C18 alkenyl group,

an optionally substituted C3-C10 cycloalkyl group.

an optionally substituted phenyl C1-C4 alkyl group,

an optionally substituted phenoxy C1-C4 alkyl group,

an optionally substituted aryl group,

OR⁵ in which R⁵ is an optionally substituted C1-C4 alkyl group, an optionally substituted aryl group, an optionally substituted heterocycle, an optionally substituted phenyl C1-C4 alkyl group or an optionally substituted phenoxy C1-C4 alkyl group, or

NR⁶R⁷ in which R⁶ and R⁷ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁶ and R⁷ together with N may form a four- to six- membered ring containing one or two heteroatoms;

R² and R³ together represent -(CH₂)_m- in which m is 3 or 4; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

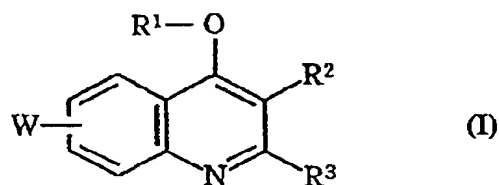
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl, C1-C4 alkoxy group and hydroxyl.

Claim 7 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C1-C18 alkyl group; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,
an optionally substituted C3-C10 cycloalkyl group,
an optionally substituted aryl group,
an optionally substituted aryloxy group,

NR^8R^9 in which R^8 and R^9 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^8 and R^9 together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR^{10} in which R^{10} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

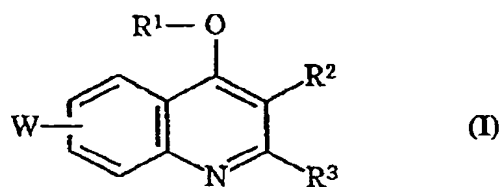
COOR^{11} in which R^{11} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 8 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 represents a hydrogen atom;

R^2 represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C2-C4 alkenyl group; and

W represents 1 substituents on the nucleus which may be

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

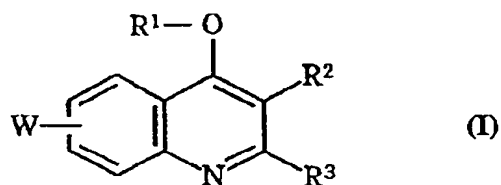
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 9 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C2-C4 alkenyl group; and

W represents 2 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

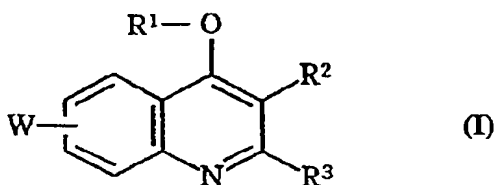
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 10 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C2-C4 alkenyl group; and

W represents 3 to 4 substituents on the nucleus which may be identical or different and each of which is

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

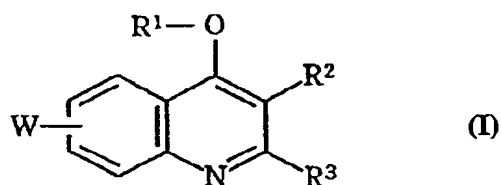
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 11 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² represents an optionally substituted C1-C4 alkyl group;

R³ represents an optionally substituted C1-C4 alkoxy group; and

W represents 1 to 4 substituents on the nucleus which may be identical or different and each of which is

a halogen atom,

an optionally substituted C1-C10 alkyl group,

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C1-C10 alkoxy group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

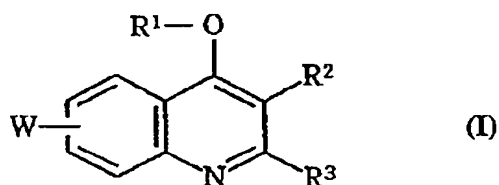
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 12 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² and R³ together represent -(CH₂)_m- in which m is 3 or 4; and

W represents 1 substituent on the nucleus which is

a halogen atom,

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C1-C10 alkoxy group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR^8R^9 in which R^8 and R^9 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^8 and R^9 together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR^{10} in which R^{10} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

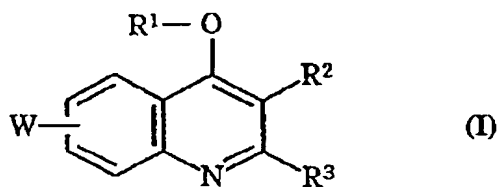
COOR^{11} in which R^{11} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 13 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 represents a hydrogen atom;

R^2 and R^3 together represent $-(\text{CH}_2)_m-$ in which m is 3 or 4; and

W represents 2 substituents on the nucleus which may be identical or different and each of which is

- a halogen atom,
- an optionally substituted C1-C10 alkyl group,
- an optionally substituted C2-C4 alkenyl group,
- an optionally substituted C2-C4 alkynyl group,
- an optionally substituted C1-C10 alkoxy group,
- an optionally substituted C3-C10 cycloalkyl group,
- an optionally substituted aryl group,
- an optionally substituted aryloxy group,

NR^8R^9 in which R^8 and R^9 are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R^8 and R^9 together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR^{10} in which R^{10} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

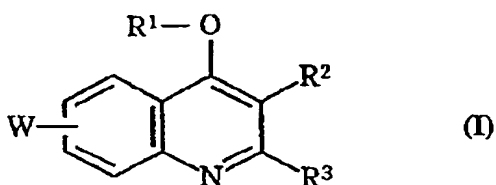
COOR^{11} in which R^{11} is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 14 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ represents a hydrogen atom;

R² and R³ together represent -(CH₂)_m- in which m is 3 or 4; and

W represents 3 to 4 substituents on the nucleus which may be identical or different and each of which is

a halogen atom,

an optionally substituted C1-C10 alkyl group,

an optionally substituted C2-C4 alkenyl group,

an optionally substituted C2-C4 alkynyl group,

an optionally substituted C1-C10 alkoxy group,

an optionally substituted C3-C10 cycloalkyl group,

an optionally substituted aryl group,

an optionally substituted aryloxy group,

NR⁸R⁹ in which R⁸ and R⁹ are each a hydrogen atom, an optionally substituted C1-C6 alkyl group or an optionally substituted phenyl group, or R⁸ and R⁹ together with N may form a four- to six-membered ring containing one or two heteroatoms,

COR¹⁰ in which R¹⁰ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

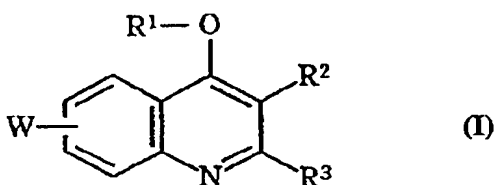
COOR¹¹ in which R¹¹ is a hydrogen atom, an optionally substituted C1-C4 alkyl group or an optionally substituted C2-C4 alkenyl group,

a nitro group, or

a cyano group;

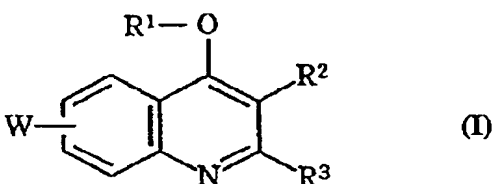
wherein when optionally substituents present, the optional group is selected from the group consisting of halogen, C1-C4 alkyl group, C1-C4 alkoxy group and hydroxyl.

Claim 15 (New): A 4-quinolinol compound represented by the formula (I):



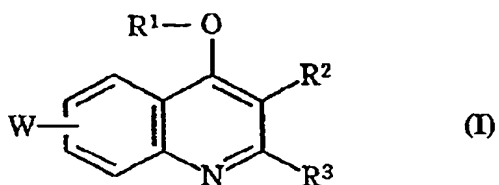
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-s-C₄H₉ and 8-CH₂OH.

Claim 16 (New): A 4-quinolinol compound represented by the formula (I):



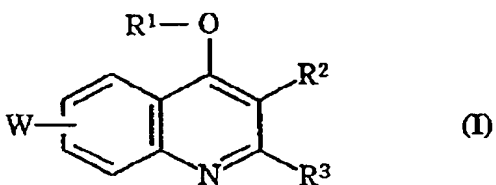
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-s-C₄H₉ and 8-CH₂OH.

Claim 17 (New): A 4-quinolinol compound represented by the formula (I):



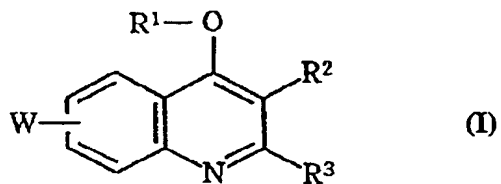
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-t-C₄H₉ and 8-CH₂OH.

Claim 18 (New): A 4-quinolinol compound represented by the formula (I):



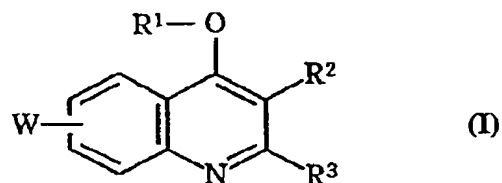
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-t-C₄H₉ and 8-CH₂OH.

Claim 19 (New): A 4-quinolinol compound represented by the formula (I):



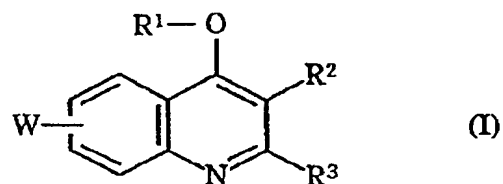
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-s-C₄H₉ and 8-CH₂Cl.

Claim 20 (New): A 4-quinolinol compound represented by the formula (I):



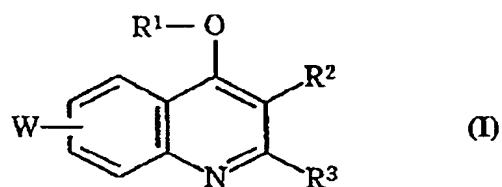
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-t-C₄H₉ and 8-CH₂Cl.

Claim 21 (New): A 4-quinolinol compound represented by the formula (I):



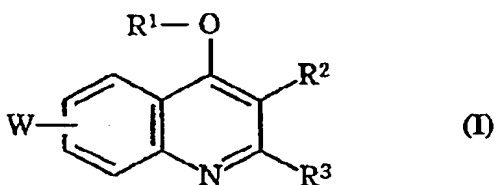
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-c-C₅H₉ and 8-methyl.

Claim 22 (New): A 4-quinolinol compound represented by the formula (I):



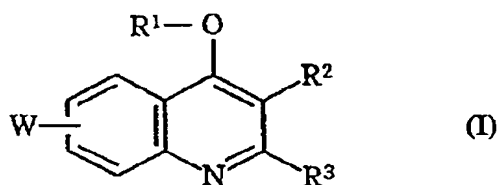
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is CH_3CO ; R^2 and R^3 are each methyl; and W are 6-c- C_5H_9 and 8-methyl.

Claim 23 (New): A 4-quinolinol compound represented by the formula (I):



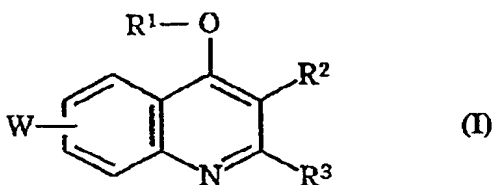
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is a hydrogen atom; R^2 and R^3 are each methyl; and W are 6-c- C_5H_9 and 8-Cl.

Claim 24 (New): A 4-quinolinol compound represented by the formula (I):



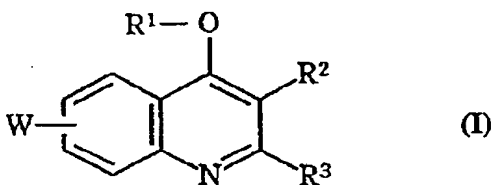
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is CH_3CO ; R^2 and R^3 are each methyl; and W are 6-c- C_5H_9 and 8-Cl.

Claim 25 (New): A 4-quinolinol compound represented by the formula (I):



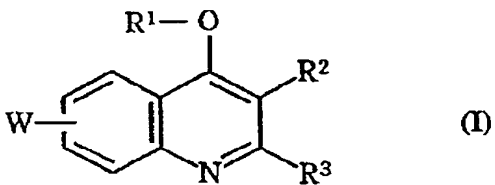
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-s-C₄H₉ and 8-CHO.

Claim 26 (New): A 4-quinolinol compound represented by the formula (I):



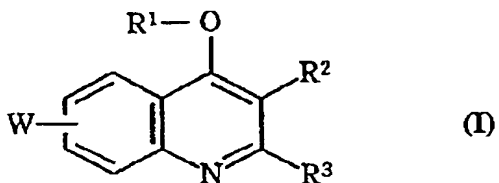
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-s-C₄H₉ and 8-CHO.

Claim 27 (New): A 4-quinolinol compound represented by the formula (I):



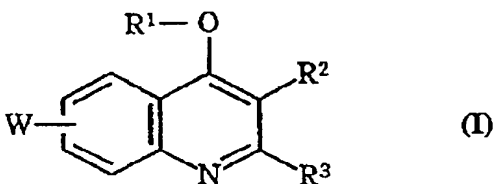
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-t-C₄H₉ and 8-CHO.

Claim 28 (New): A 4-quinolinol compound represented by the formula (I):



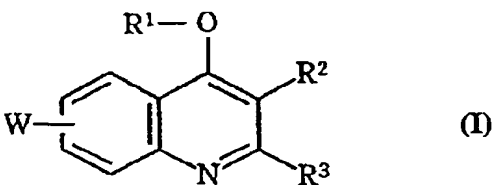
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is CH₃CO; R² and R³ are each methyl; and W are 6-t-C₄H₉ and 8-CHO.

Claim 29 (New): A 4-quinolinol compound represented by the formula (I):



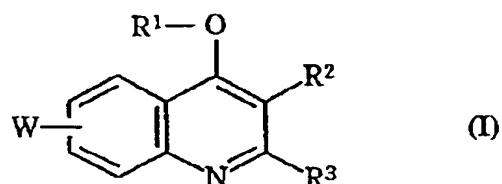
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R¹ is a hydrogen atom; R² and R³ are each methyl; and W are 6-CH₃CH=C(CH₃) and 8-methyl.

Claim 30 (New): A 4-quinolinol compound represented by the formula (I):



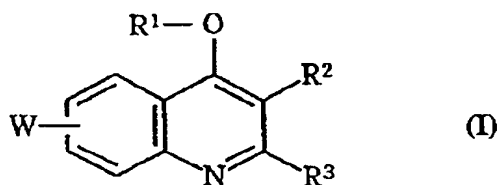
or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is CH_3CO ; R^2 and R^3 are each methyl; and W are 6- $\text{CH}_3\text{CH}=\text{C}(\text{CH}_3)$ and 8-methyl.

Claim 31 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is a hydrogen atom; R^2 and R^3 are each methyl; and W are 6- $\text{CH}_3\text{CH}=\text{C}(\text{CH}_3)$ and 8-F.

Claim 32 (New): A 4-quinolinol compound represented by the formula (I):



or an agricultural and horticulturally acceptable acid addition salt thereof, wherein R^1 is CH_3CO ; R^2 and R^3 are each methyl; and W are 6- $\text{CH}_3\text{CH}=\text{C}(\text{CH}_3)$ and 8-F.

DISCUSSION OF THE AMENDMENT

All the claims have been cancelled and replaced with new Claims 3-32. Each claim represents an embodiment, supported in the specification at page 2, 3rd full paragraph through page 4, line 17, and the Examples.

No new matter has been added. Claims 3-32 are now pending in the application.